

AMENDMENT TO THE CLAIMS

Applicants selectively amend the claims as follows:

Listing of Claims:

1. (Currently Amended) A modular server system, comprising:

a midplane having a system management bus and a plurality of blade interfaces,
~~interfaces on the midplane, wherein~~ the blade interfaces ~~are~~ in electrical communication
with each other;

a server blade ~~removeably connectable to~~ inserted into one of the plurality of
blade interfaces on the midplane, the server blade having a server blade system
management bus in electrical communication with the system management bus of the
midplane, and a network interface to connect to a network; and

a plurality of switch blades to perform network switching, wherein the plurality of
switch blades ~~removeably and simultaneously connectable to~~ are inserted into one of the
plurality of blade interfaces on the midplane ~~the switch blades being adapted to perform~~
~~network switching.~~

2. (Currently Amended) The modular server system according to claim 1, further including a
power supply module ~~removeably connectable~~ coupled to the midplane to provide power
to the modular server system.

3. (Currently Amended) The modular server system according to claim 1, further including a
cooling fan module coupled to the modular server system to cool the modular server
system.

- 1 4. (Currently Amended) The modular server system according to claim 1, further including a
2 media blade ~~removeably connectable to~~ inserted into one of the plurality of blade
3 interfaces on the midplane, the media blade having at least one media device.
- 1 5. (Currently Amended) The modular server system according to claim 1, wherein the
2 midplane is to operate in compliance with the a CompactPCI technical standard. ~~form~~
3 ~~factor.~~
- 1 6. (Currently Amended) The modular server system according to claim ~~1~~ 4, wherein the
2 ~~storage medium at least one media device is~~ includes a hard disk drive.
- 1 7. (Currently Amended) The modular server system according to claim 1, further including a
2 chassis to house the midplane, the server blade, and the plurality of switch blades. ~~and the~~
3 ~~media blade.~~
- 1 8. (Currently Amended) The modular server system according to claim 1, wherein the server
2 blade and the plurality of switch blades ~~and the media blade~~ are ~~adapted to be~~ hot
3 ~~swapped~~ swappable.
- 1 9. (Currently Amended) The modular server system according to claim ~~1~~ 4, wherein the server
2 blade and the media blade in combination form an individual server system.
- 1 10. (Currently Amended) The modular server system according to claim 1, wherein the
2 network interface to connect to the network includes ~~is~~ an Ethernet connector jack
3 accessible through a faceplate of the server blade.
- 1 11. (Currently Amended) The modular server system according to claim ~~1~~ 4, wherein the at
2 least one media device is selected from the group consisting of a storage medium device,
3 a graphics processing device, an audio processing device, and a streaming media
4 processing device.

1 12. (Currently Amended) A modular server system, comprising:

2 a midplane having a system management bus, a first side, a second side, and a
3 plurality of blade interfaces on the first side and the second side, ~~wherein~~ the blade
4 interfaces on the first side ~~are~~ in electrical communication with the blade interfaces on the
5 second side;

6 a plurality of server blades ~~each removeably connectable to, each server blade~~
7 inserted into one of the plurality of blade interfaces on the first side of the midplane, the
8 server blades each having a server blade system management bus in electrical
9 communication with the system management bus of the midplane, and a network
10 interface to connect to a network; and

11 a plurality of switch blades to perform network switching between any number of
12 the server blades and between an external network, wherein at least two switch blades
13 ~~removeably and simultaneously connectable to~~ are inserted into one of the plurality of
14 blade interfaces on the ~~midplane.~~ midplane, the switch blades being adapted to perform
15 ~~network switching between any number of the server blades installed in the system, and~~
16 ~~between any of the server blades and an external network;~~

17 ~~a power supply module removeably connectable to the midplane to provide power~~
18 ~~to the modular server system;~~

19 ~~a cooling fan module coupled to the modular server system to cool the modular~~
20 ~~server system; and~~

21 ~~a chassis to house the midplane, the server blades, the media blades, the power~~
22 ~~supply module, and the cooling fan module.~~

1 13. (Currently Amended) The modular server system according to claim 12, further including a
2 plurality of media blades ~~each removeably connectable to, each media blade inserted into~~
3 one of the plurality of blade interfaces on the second side of the midplane, the media
4 blades each having at least one storage medium device.

1 14. (Currently Amended) The modular server system according to claim 12, wherein the
2 midplane is to operate in compliance with the a CompactPCI technical standard. ~~form~~
3 ~~factor.~~

1 15. (Currently Amended) The modular server system according to claim ~~12~~ 13, wherein the at
2 least one storage medium device ~~is~~ includes a hard disk drive.

1 16. (Currently Amended) The modular server system according to claim 12, wherein the server
2 blades and the switch blades ~~and the media blades~~ are ~~adapted to be~~ hot swapped
3 swappable.

1 17. (Currently Amended) The modular server system according to claim ~~12~~ 13, wherein at least
2 one of the server blades and at least one of the media blades in combination form an
3 individual server system.

1 18. (Currently Amended) The modular server system according to claim 12, wherein the
2 network interface to connect to the network includes ~~is~~ an Ethernet connector jack
3 accessible through a faceplate of each server blade.

1 19. (Currently Amended) A modular server system, comprising:

2 a midplane having a system management bus, a first side, a second side, and a
3 plurality of blade interfaces on the first side and the second side, ~~wherein~~ the blade
4 interfaces on the first side ~~are~~ in electrical communication with the blade interfaces on the
5 second side;

6 a server blade ~~removeably connectable to~~ inserted into one of the plurality of
7 blade interfaces on the first side of the midplane, the server blade having a server blade
8 system management bus in electrical communication with the system management bus of
9 the midplane, and a network interface to connect to a network;

10 a media blade ~~removeably connectable to~~ inserted into one of the plurality of
11 blade interfaces on the second side of the midplane, the media blade having at least one
12 storage medium device;

13 a second server blade ~~removeably connectable to~~ inserted into one of the plurality
14 of blade interfaces on the first side of the midplane, the second server blade having a
15 second server blade system management bus in electrical communication with the system

16 management bus of the midplane, and a second network interface to connect to the
17 network

18 a second media blade ~~removeably connectable to~~ inserted into one of the plurality
19 of blade interfaces on the second side of the midplane, the second media blade having at
20 least one ~~second~~ storage medium device;

21 at least two switch blades to perform network switching between the first and
22 second server blades, any other server blade inserted into one of the plurality of blade
23 interfaces on the first side of the midplane, and an external network, the at least two
24 switch blades, both removeably and simultaneously connectable to inserted into one
25 blade interface on the midplane ~~and adapted to perform network switching between any~~
26 ~~number of the server blades installed in the system, and between any of the server blades~~
27 ~~and an external network;~~

28 a power supply module ~~removeably connectable~~ coupled to the midplane to
29 provide power to the modular server system;

30 a cooling fan module coupled to the modular server system to cool the modular
31 server system; and

32 a chassis to house the midplane, the server blade, the media blade, the second
33 server blade, the second media blade, the switch blades, the power supply module, and
34 the cooling fan module, ~~wherein~~ the server blade, the media blade, the second server
35 blade, the second media blade and the switch blades to share power from the power
36 supply module and to share cooling from the cooling fan module.

1
1 20. (Currently Amended) The modular server system according to claim 19, wherein the
2 midplane is to operate in compliance with the a CompactPCI technical standard. ~~form~~
3 ~~factor.~~

1
1 21. (Currently Amended) The modular server system according to claim 19, wherein the first
2 media blade and the second media blade having a storage medium device comprises the
3 storage medium device ~~and the second storage medium device are~~ including a hard disk
4 drive. drives.

1 22. (Currently Amended) The modular server system according to claim 19, wherein the server
2 blade, the media blade, the second server blade, and the second media blade, and the
3 switch blades are ~~adapted to be hot swapped~~ swappable.

1 23. (Currently Amended) The modular server system according to claim 19, wherein the server
2 blade and the media blade in combination form an individual server system.

1 24. (Currently Amended) The modular server system according to claim 19, wherein the second
2 server blade and the second media blade in combination form an individual server
3 system.

1 25. (Currently Amended) The modular server system according to claim 19, wherein the server
2 blade, the second server blade, and the media blade in combination form two individual
3 server systems.

1 26. (Currently Amended) The modular server system according to claim 19, wherein the server
2 blade, the media blade, and the second media blade in combination form an individual
3 server system.

1 27. (Currently Amended) The modular server system according to claim 19, wherein the
2 network interface and the second network interface to connect to the network each
3 include ~~are~~ an Ethernet connector jacks accessible through a faceplate of the server blade
4 and the second server blade, respectively.